

Product datasheet for **MR207202**

Fam117a (NM_172543) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam117a (NM_172543) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam117a
Synonyms:	5730593F17Rik; AW548096
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207202 representing NM_172543
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGGGCCGACGCGGGCGCCGAGGCGAGGTTCTGGGGCCGGGCGCGGAGGGCGGGGGTCT
 TCCGGCGGGGCTGCTCTCCACCGCGCCCGCTGGCTCCCCCGGGTCGGTCTGCAGCCACTCAGGGCTAC
 GGTCCCCTTCCAGCTGCAGCAGCCTCACAGCGCCGGGACGGGGTGGCCGCGCAGCCAGCGTTCCATGT
 TCGGTGGCCCCAGAAAAGTCGGTGTGTAGGCTCAGCCACCCAGGTCGGCGTACGTTCTCCCTGGACA
 CCATCCTCAGTTCCTACCTTCTGGGCCAGTGGCCACGAGATGCCGATGGGGCCTTACCTGCTGTACCAA
 TGACAAGGCCACCCAGACACCCCTGTCTGGCAAGAACCAGAAGGTGAGCGGGCCAGCTTCTGCATGCAC
 AAGCGGTACGATCGTGGGCGACACAGACCACCGAAAAGAGATACCAAGTTGAAGCAGCAGCTGCAGA
 GGACAAAAGTACGCGCAGTGGGAAGGAGAAGGAGCGGAGCTGCCCTGTCCAAGGGGACCATGCTGCGCT
 GGGAGCAGGGAGGCGATCCCTTCCAGCCACCCCGAGACCCCGTCTGCGACTCAGCCCTTGTCTG
 CACAGAAGCCTAGAAGGGCTCAACCAGGAGCTGGAAGAGGTGTTGTGAAGGAGCAGGGTGAAGAGGAGC
 TGCTGAGGATACTTGAGTCCCTGATGGGCACCGTGCCTCCAGCTCCTCCACAGAATAGCAGCTGTACCA
 TTCCCTCCTTTGGAGCCAGGCAACCTGACCAGCTCTCCCTCCGTGCCACTGGCATCCCCCAGCCTCCC
 AGCCAGGCCAGCCGTGAGGAGCACCAGGTCGCCACCGAGGAAGTGCATCCATCCACGGTAAACAAAGCCT
 CCTCTCCAGGCAACCCAGCCTTCTAGAAAGATGGCAGTCCGTCTCCAGTCTTGCCTTGTGCTTCCCC
 TCGGCCAATCACAGTACGTCTTAAACGGGAGCCCCAGAAGGCTGTGAGAGAGTGCCTGTGTTTGG
 GAGGCCACGTCCCAGGTCCTGACTTGGCCTTCTTACTTCTGTCTGACAAGAACAAAGTCCATTCA
 ACCCGACTGGCTCCGCTTCTGCCCTGTGACTTGCATCAAGCCCTTCTCCAGTATGGGCTTCACTTT
 CGGTAACGTGCCCTCCAGCCCTGGCTCCCTCTTCCACTGCCAGCCCCAGGGCACCTCGGAAGGGTCCA
 GAAGCTTCCAAGGCTCCTCGTGCCATCTGAGCCATGGCAGCGCAGCCACCATCGGAAGAGTCTGTGC
 TTTCCAGAGCTCCTTGGTAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207202 representing NM_172543
 Red=Cloning site Green=Tags(s)

MSGAAAGRRGGGWSGPRGGAGGLRRGCSPPAPAGSPRVGLQPLRATVPFQLQPPHQRRDGGGAAASVPC
 SVAPEKSVCRPQPPQVRRTFSLDTILSSYLLGQWPRDADGAFTCCTNDKATQTPLSWQEPEGERASF
 CMHKRSASWGSTDHRKEITKLKQQLQRTKLSRSGKEKERSCPVQGDHAALGAGRASLPSHPPGPPVLR
 LSPCLHRSLEGLNQEELEEVFVKEQGEELLRILEVPDGHRAAPPQNSSCDHSLLEPGNLTSSPSVPLAS
 PQQPSQASREEHQGATEELASIHGNKASSPGNPAFLDGSPPVLAFAASPRPNHSYVFKREPPEGCE
 RVRVFEATSPGPDLAFLTSCPDKNVHFNPTGSAFCPVSLIKPLFSPMGFIFRNCPSSPGSPLPTAS
 PRAPRKGFEASKASSLPSEPWQRSPSEESVLFQSSLVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9092_a01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_172543

ORF Size: 1353 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_172543.4](#), [NP_766131.2](#)

RefSeq Size: 2334 bp

RefSeq ORF: 1356 bp

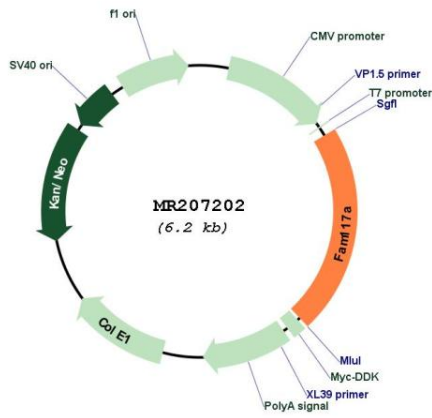
Locus ID: 215512

UniProt ID: [Q7TNF9](#)

Cytogenetics: 11 D

MW: 48.1 kDa

Product images:



Circular map for MR207202